



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C3

Sheet 1 of 1

APPLICATION NO.

10/756,421

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>lao</i>	AA	5,555,098	09/1996	Parulski			
<i>lao</i>	AB	5,838,967	11/1998	Okayama et al.			
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>lao</i>	AE	EP 0545446 A1	06/1993	Europe			
	AF	JP 64-048285	02/1989	Japan			X
	AG	JP 01-204163	08/1989	Japan			X
	AH	JP 01-263714	10/1989	Japan			X
	AI	JP 06-020443	01/1994	Japan			X
	AJ	JP 06-076031	03/1994	Japan			X
<i>lao</i>	AK	JP 08-036519	02/1996	Japan			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION
YES NO

<i>lao</i>	AL	Office Action issued in Japanese Patent Application No. 2004-134025 on May 9, 2006.		
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EXAMINER

CHRISTOPHER ONUAKU

DATE CONSIDERED

8/14/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**ATTACHMENT 1(e)**

EXPLANATIONS OF RELEVANCY OF REFERENCES	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2621

1600
8/14
06 } * Reference AE (EP 0545446 A1) and AA (U.S. 5,555,098) are substantially equivalent to reference AI (JP 06-020443).

* Reference AB (U.S. 5,838,967) is substantially equivalent to reference AJ (JP.06-076031).



Sheet 1 of 1

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Seong-jin MOON et al.

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2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>boo</i>	AA	6,009,234	12/1999	Taira et al.	_____		
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>boo</i>	AG	JP 63-079287	04/1988	Japan			X
<i>boo</i>	AH	JP 09-017127	01/1997	Japan			X
<i>boo</i>	AI	JP 10-050034	02/1998	Japan			X
<i>boo</i>	AJ	EP 0751515 A2	02/1997	Europe			
	AK						
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION
YES NO

<i>boo</i>	AM	Office Action issued in Japanese Patent Application No. 11-179073, on February 7, 2006		
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EXAMINER

CHRISTOPHER DUKAKU

DATE CONSIDERED

8/14/06

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	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
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	January 14, 2004	2621

Reference AI (JP 10-050034) corresponds to reference AA (U.S. 6,009,234).
Reference AJ (EP 0751515 A2) corresponds to reference AH (JP 09-017127).

ATTACHMENT 1(f)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2621

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>Seong</i>	1	11/281,491	11/18/2005	Seong-Jin MOON et al.	Samsung Electronics Co., Ltd.
	2				
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
<i>CHRISTOPHER DANAKU</i>	<i>8/14/06</i>
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ATTACHMENT 1(g)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP/ART UNIT
	January 14, 2004	2621

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>[Signature]</i>	AA	6,778,755 B1	08/17/2004	Seong-Jin MOON et al.	_____	_____	
<i>[Signature]</i>	AB	6,873,785 B2	03/29/2005	Seong-Jin MOON et al.	_____	_____	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AC							
	AD							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

						TRANSLATION YES NO	
	AE						

EXAMINER <i>CHRISTOPHER DANUAKU</i>	DATE CONSIDERED <i>8/14/06</i>
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Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2615 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>lee</i>	AG	JP 6-67945	03/1994	Japan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X
	AH						
	AI						
	AJ						
	AK						
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

				TRANSLATION YES NO	
<i>lee</i>	AM	Office Action issued in Japanese Application no. 2002-228014 on September 6, 2005			

EXAMINER	DATE CONSIDERED
CHRISTOPHER ONUAKU	8/14/06
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C3

APPLICATION NO.

10/756,421

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

2615 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
hoo	AA	5,838,967	11/1998	Okayama et al.	_____	_____	
hoo	AB	5,659,745	08/1997	Inoue	_____	_____	
hoo	AC	5,902,115	05/1999	Katayama	_____	_____	
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO	ABSTRACT
hoo	AG	6-76031	03/1994	Japan	_____	X
hoo	AH	4-188484	07/1992	Japan	_____	X
hoo	AI	8-339194	12/1996	Japan	_____	X
	AJ					
	AK					
	AL					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION
YES NO

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EXAMINER

CHRISTOPHER DWYAKU

DATE CONSIDERED

8/14/06

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ATTACHMENT 1(e)

EXPLANATIONS OF RELEVANCY OF REFERENCES	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2015 2621

- bo*
8/14/06
- 1) U.S. Patent No. 5,838,967 corresponds to Japanese Patent Publication 6-76031.
 - 2) U.S. Patent No. 5,659,745 corresponds to Japanese Patent Publication 4-188484.
 - 3) U.S. Patent No. 5,902,115 corresponds to Japanese Patent Publication 8-339194.



ATTACHMENT 1(f)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C3	10/756,421
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2815 2621

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

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U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>lee</i>	1	10/945,946	09/22/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	2	10/842,690	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	3	10/842,440	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	4	10/756,422	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
<i>lee</i>	5	10/756,423	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
<i>CHRISTOPHER ONYAKU</i>	<i>8/14/06</i>
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Sheet 1 of 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1293.1073C3	APPLICATION NO. 10/756,421
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Seong-jin MOON et al.	
		FILING DATE January 14, 2004	GROUP ART UNIT 2645 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
600	AG	753 854 A2	01/15/97	Europe	_____	_____		
600	AH	753 854 A3	01/15/97	Europe	_____	_____		
600	AI	295 148	12/14/88	Europe	_____	_____		
600	AJ	730 272 A2	09/04/96	Europe	_____	_____		
600	AK	730 272 A3	09/04/96	Europe	_____	_____		
600	AL	737 974 A3	10/16/96	Europe	_____	_____		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	
	AN	

EXAMINER CHRISTOPHER ONCIAKU	DATE CONSIDERED 8/14/06
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Seong-jin MOON et al.	
		FILING DATE January 14, 2004	GROUP ART UNIT 2645 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
bo	AA	EP737974A2	10/16/96	Europe			N/A	
bo	AB	CN1177816A	4/1/98	China			Abstract	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

bo	BA	English Language Chinese Office Action for Chinese Divisional Patent Application No. 01122435.5, dated June 11, 2004 (related to the present application)

EXAMINER CHRISTOPHER ONYAKU	DATE CONSIDERED 2/14/06
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FILED 1/14/04

Sheet 1 of 2

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1293.1073C3	APPLICATION NO. 10/756,421
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		FILING DATE January 14, 2004	GROUP ART UNIT 2621

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
l 600	AA	6,047,103	04/2000	YAMAUCHI et al.	386	94	
	AB	4,703,369	08/1987	MORIYAMA et al.	386	97	
	AC	6,088,507	07/2000	YAMAUCHI et al.	386	95	
	AD	6,148,138	11/2000	SAWABE et al.	396	40	
	AE	6,332,194	12/2001	Bloom, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
l 600	AF	EP0965991 A1	12/1999	Europe				
	AG	06-076031	3/1994	Japan			Abstract	
	AH	04-188484	7/1992	Japan			Abstract	
	AI	10-125046	5/1998	Japan			Abstract	
	AJ	11-317056	11/1999	Japan			Abstract	
	AK	9-17127	1/1997	Japan			Abstract only	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
ba	BA 6-314176	11/1994	Japan	—	—	Abstract only
↑	BB 8-287654	11/1996	Japan	—	—	Abstract only
	BC 10-50034	2/1998	Japan	—	—	Abstract only
	BD 10-92155	4/1998	Japan	—	—	Abstract only
	BE 10-143978	5/1998	Japan	—	—	Abstract only
ba	BF 8-340507	12/1996	Japan	—	—	Abstract only

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO
ba	BG	Japanese Office Action for Japanese Application No. 2000-321764, dated September 2, 2003.	x

EXAMINER CHRISTOPHER ONYAKU	DATE CONSIDERED 8/14/06
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ATTACHMENT 1(i)

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*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>boo</i>	1	09/592,109	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd., Suwon-city, Korea
	2	09/592,110	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd., Suwon-city, Korea
	3	10/020,979	December 19, 2001	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd., Suwon-city, Korea
<i>boo</i>	4	10/137,366	May 3, 2002	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd., Suwon-city, Korea
	5				
	6				
	7				
	8				

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<i>CHRISTOPHER D. WAKU</i>	<i>8/14/06</i>
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